

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P260532

Luminaire Tested: **22CZ-LD5-34-RDP-UNV-L92765-W2A1-U-5700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260532
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25714)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ-LD5-34-RDP-UNV-L92765-W2A1-U-5700K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RDP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2387.0 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.28 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

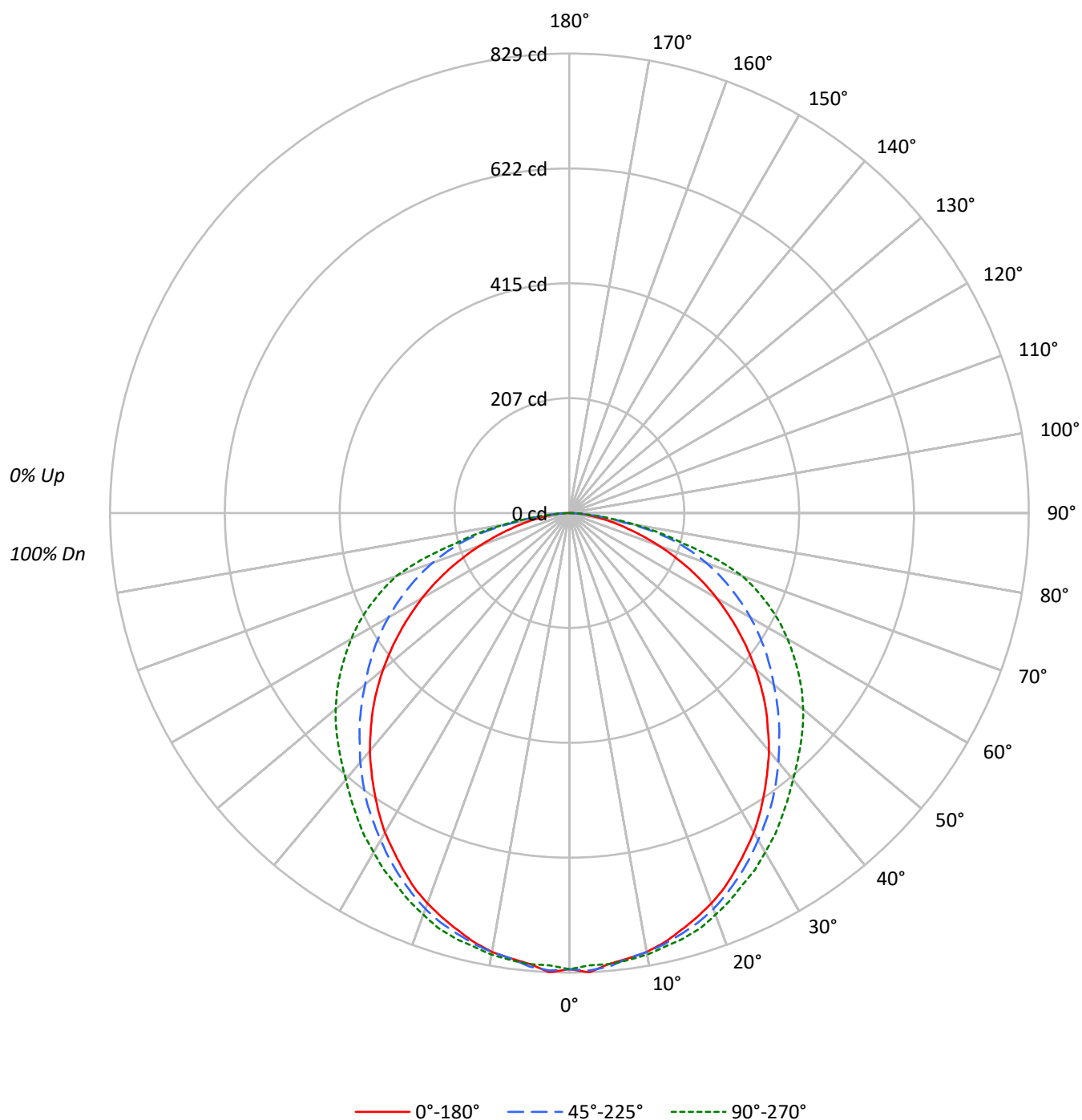
Input Watts (W): 26.412
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	104	99	95	106	101	97	94	97	94	91		93	90	88		89
2	98	90	83	77	96	88	81	76	84	79	74		81	77	73		78
3	89	79	70	64	87	77	69	63	74	67	62		71	66	61		69
4	82	69	60	54	79	68	60	53	66	58	52		63	57	52		61
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45
8	60	46	37	31	58	45	37	31	44	37	31		43	36	31		42
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2214	2214	2214
5°	2206	2219	2206
10°	2197	2197	2210
15°	2170	2187	2214
20°	2145	2176	2208
25°	2107	2149	2196
30°	2068	2117	2195
35°	2016	2094	2197
40°	1968	2062	2205
45°	1910	2036	2246
50°	1838	2016	2305
55°	1749	2023	2370
60°	1651	2032	2447
65°	1523	2044	2535
70°	1349	2068	2612
75°	1145	2062	2225
80°	951	1658	1853
85°	824	1118	1068



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.8	3.3
10°-20°	221.8	9.3
20°-30°	333.7	14.0
30°-40°	399.8	16.8
40°-50°	417.0	17.5
50°-60°	388.2	16.3
60°-70°	315.2	13.2
70°-80°	190.0	8.0
80°-90°	43.6	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	633.2	26.5
0°-40°	1033.1	43.3
0°-60°	1838.3	77.0
0°-90°	2387.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2387.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	823	823	823	823	823	
5°	817	817	821	823	817	78
15°	779	782	785	790	795	220
25°	710	714	724	733	740	327
35°	614	622	637	656	669	384
45°	502	511	535	570	590	386
55°	373	389	431	478	505	333
65°	239	264	321	371	398	237
75°	110	146	198	211	214	119
85°	27	33	36	35	35	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	822.9	822.9	822.9	822.9	822.9
2.5°	829.2	827.7	826.1	821.4	816.7
5°	816.7	816.7	821.4	822.9	816.7
7.5°	810.4	810.4	810.4	816.7	813.5
10°	804.1	804.1	804.1	808.8	808.8
12.5°	793.1	794.6	796.2	797.8	800.9
15°	778.9	782.0	785.2	789.9	794.6
17.5°	764.7	767.9	774.2	778.9	785.2
20°	749.0	752.1	760.0	764.7	771.0
22.5°	731.7	733.3	742.7	749.0	756.9
25°	709.7	714.4	723.8	733.3	739.6
27.5°	687.6	692.3	703.4	715.9	725.4
30°	665.6	670.3	681.3	697.1	706.5
32.5°	640.4	646.7	659.3	678.2	689.2
35°	613.7	621.5	637.3	656.2	668.7
37.5°	586.9	594.8	612.1	635.7	648.3
40°	560.2	568.0	586.9	612.1	627.8
42.5°	530.3	539.7	560.2	590.1	608.9
45°	502.0	511.4	535.0	569.6	590.1
47.5°	470.5	481.5	508.2	547.6	571.2
50°	439.0	451.6	481.5	525.6	550.7
52.5°	406.0	420.1	456.3	502.0	528.7
55°	372.9	388.7	431.1	478.3	505.1
57.5°	339.9	357.2	404.4	453.2	479.9
60°	306.8	325.7	377.6	428.0	454.7
62.5°	273.8	294.2	349.3	399.7	428.0
65°	239.2	264.4	321.0	371.3	398.1
67.5°	204.6	234.5	292.7	341.5	366.6
70°	171.5	204.6	262.8	308.4	332.0
72.5°	140.0	174.7	231.3	270.6	280.1
75°	110.1	146.3	198.3	210.9	214.0
77.5°	85.0	118.0	157.4	160.5	168.4
80°	61.4	89.7	107.0	116.4	119.6
82.5°	42.5	61.4	70.8	72.4	74.0
85°	26.7	33.0	36.2	34.6	34.6
87.5°	14.2	12.6	11.0	7.9	6.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)